



USER MANUAL

EXTERNAL TV TUNER HD II



ENXTV-X4

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Chapter 1: Introduction

The ENXTV-X4 is an excellent solution in combining a computer and a TV system without the need for a screw driver or software driver. Enhance your computer to a home theater quality system adding an HDTV resolution receiver, just plug in cables and power adapter, and you will experience high resolution TV programs.

The ENXTV-X4 provides high quality, high resolution of up to 1920x1200. Watch your favorite TV program in HDTV resolution while using your computer at the same time or watch your favorite TV program in HDTV resolution even when your computer is turned-off



1.1 Features

- Use of digital frequency multiple technology. Supports 8 resolution modes, up to 1920 x 1200
- Pure Plug-and-Play: no driver or software needed
- PIP function, capable of watching TV while surfing on the internet
- 3D Motion adaptive de-interlace, digital image enhancement and digital noise reduction technology bring you clearer and sharper image
- Full TV channel supplement: suitable to receive signals via either wire or wireless connection, compatible to PAL/NTSC
- Supports PAL, NTSC TV standard, with VIDEO, and S-VIDEO input for easy connection of video camera, DVD, TV game player, etc
- Supports multi-channel display (TV wall) to preview all channels conveniently
- PC-Free Mode: watch TV programs or play console games without turning on your PC
- Watch PC and TV on the same screen
- Full Function Remote Control

1.2 System Requirements

- LCD, CRT or other types of monitors/projectors with PC VGA (D-sub) input.
- A computer is necessary when in PIP mode. No specific PC system required.
- Video source (broadcast TV, cable TV, PC, DVD Player, camcorder, game console, etc.)



1.3 Specifications

TV format	NTSC M / NTSC N, PAL M / PAL N
	Output video mode: 4:3 (800x600, 1024x768, 1280x1024, 1600x1200)
Resolution	Output video mode: 16:10 (1440x900, 1680x1050, 1920x1200)
	Output video mode: 16:9 (1366x768, 1600x900, 1920x1080)
TV input	75 Ohm impedance, F or PH type
Video input	RCA Video in, S-Video in
Audio input	RCA L/R, 3.5mm connector (for PC use)
Audio output	3.5mm connector
RGB output	D-SUB 15 Pin
Environmental	Operating Temperature: 0°C~40 °C Storage Temperature: -5°C~50°C Operating Humidity: 0%~80% RH, non-condensing
Certification	FCC, CE, RoHS



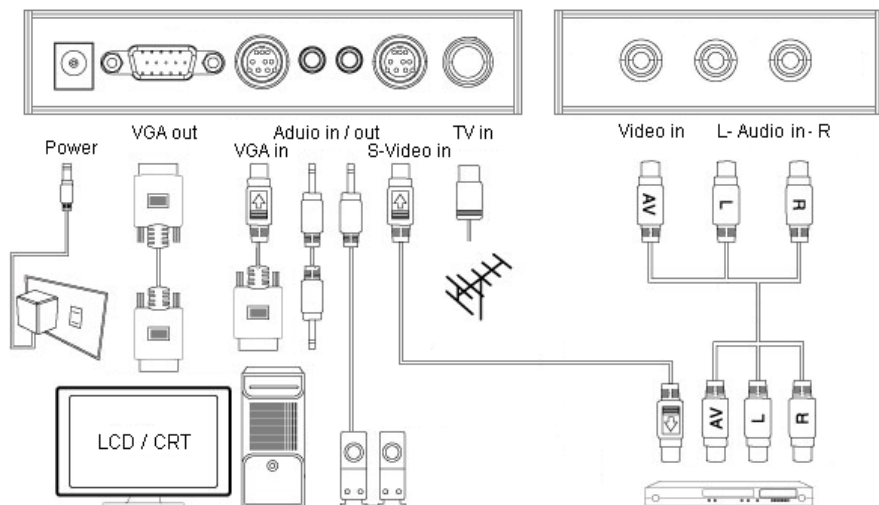
1.4 Package Contents

- ENXTV-X4 External TV Tuner HD II
- Remote control
- Power adapter
- VGA-In Loop Back cable (for PIP mode)
- 3.5 mm Stereo Audio cable
- User manual



Chapter 2: Getting Started

ENXTV-X4 cable connection is easy. The most typical cable connections are shown in the picture diagram below. Do not connect the power cable before you connect these cables.



Note:

If the speaker cable is connected to the computer's sound card, the audio will not work. The audio speaker cable should be connected to the ENXTV-X4 Audio-Out port when you are watching the TV without turned on the computer.



2.1 Rear Panel Connectors

Insert the provided CD into the CD-ROM drive, and then follow the on-screen instructions below.

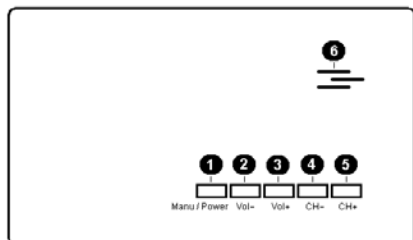
CONNECTOR	TYPE	DESCRIPTION
DC In	5mm, INT+, EXT-	AC adapter, power in (5V, 1 A)
VGA Out	15 pin D-Sub connector	ENXTV-X4 main video output. Connects to CRT/LCD Monitor
VGA In	8 pin Mini DIN connector	VGA-In loop back cable. The other end of this cable connects to the PC's VGA D-sub 15 pin connector.
Audio In	3.5mm stereo connector	Audio In connects to PC sound system.
Audio Out	3.5mm stereo connector	Audio out connects to the speaker.
S-Video In	4 Pin Mini Din	S-VHS type external video input source. Can be used for DVD, VCR or Camcorder
TV in	TV antenna connector	TV or CATV signal-in connector

2.2 Right Side Panel Port Connectors

CONNECTOR	TYPE	DESCRIPTION
Video In	RCA Jack	External composite video input source, can be connected to DVD, VCR or Camcorder.
Audio In (L/R)	RCA Audio jack	RCA audio jack used for external audio input source.



2.3 Panel Controller Functions



1. Manual / Power:
2. Vol -: Left / Volume down
3. Vol +: Right / Volume up
4. CH -: Down / Channel down
5. CH +: Up / Channel up
6. Speaker



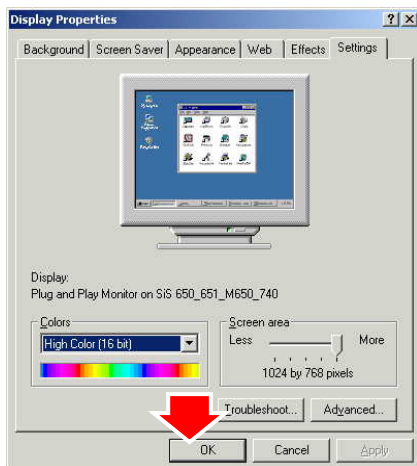
Chapter 3: Using the ENXTV-X4

3.1 PC side VGA Resolution Setting

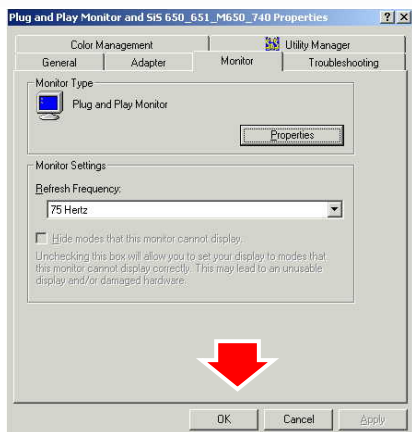
ENXTV-X4 can be used independent of PC system for a full screen display. In addition to the full screen display, when it is connected in conjunction with the computer system, the PIP sub video window can also be displayed at the top of PC monitor screen to let the user watch TV while using the computer at the same time, or just enjoy full screen TV viewing.

When the ENXTV-X4 is used as a standalone TV box (computer is turned off), it is completely independent with the computer's VGA or monitor screen settings. Resolution and other adjustments depend on the monitor or the ENXTV-X4 settings.

While in PIP mode (computer is turned on and in PIP mode), in order to have the optimized resolution and performance, we recommend setting the computer VGA in WUXGA mode (1920x1080 or 1920x1200@60Hz) and monitor's refresh rate at 60Hz. See the illustration computer VGA settings below.



1. Under Windows systems, the VGA resolution setting page can be invoked by a right click on the mouse when it is pointed at an empty desktop area.
2. When the **"Display properties"** page is shown, select the recommended value **1920x1080** or **1920x1200**.
3. Click on the **"Advanced"** button, to select the monitor refresh rate, the recommended value is **60Hz**.
4. Click on **"OK"** to close the property page.



5. Windows system will change the display mode to your setting and ask whether to use this display mode or not, please click on **OK** to confirm the setting.



Chapter 4: Using the Remote Control

The included infrared remote control allows you to operate ENXTV-X4 remotely, such as turning your TV on/off, changing channels, adjusting volume, etc. Aim the front of the remote control at the remote control receiver and press the control buttons as you would on the infrared receiver.

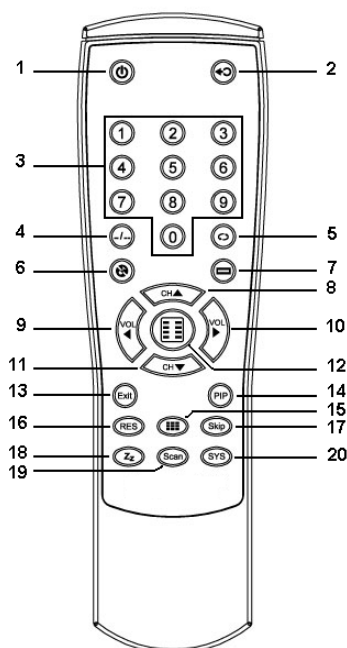
4.1 Installing Batteries



Open the back cover of remote controller and put in two pieces of AAA batteries (alkaline battery recommended).



4.2 Remote controller functions



1. Power / Standby
2. Video Source
3. Program number select
4. Single or Double digits channel
5. Return to the previous channel last viewed
6. Mute
7. Display ratio aspect
8. Channel +
9. Volume +
10. Volume -
11. Channel -
12. Menu / Enter
13. OSD back to previous page
14. PIP function
15. Multi-channel display
16. Display resolution switch
17. Channel Skip
18. Sleep timer
19. Auto Channel scanning
20. TV System setting



4.3 How to use the Menu

In this section the ENXTV-X4 Main Menu and its operations will be discussed here. TV mode must be in Full Screen Mode.

- Press the **MENU** button from the remote control to get to this screen.

PIC	TUNE	SYS	OSD
CURRENT CH			
EXCHANGE CH			55
EXCHANGE SAVE			NO
SKIP			OFF
FINE-SCAN		409.25 MHZ	
SCAN		409.25 MHZ	
SCAN MODE			CABLE

- Use the **CH+/CH-** keys to move the cursor to the desired item (Left and Right).
- Use the **VOL+/VOL-** keys to move the highlights down to every sub menus and use **CH+/CH-** keys to select.
- Use the **EXIT** key returns to previous setting menu or exit from the main menu.

If there is no activity within 5 seconds, the OSD menu display will hide automatically



4.4 OSD Display MENU Settings

■ PIC:

PIC	TUNE	SYS	OSD
PICTURE			
SOUND			
ADVANCED			
V 1.30			

PIC	TUNE	SYS	OSD
BRIGHTNESS			55
CONTRAST			45
SATURATION			35
HUE			0
SHARPNESS			60
COL TEMPERATURE		NORMAL	
PIP MODE		USER	

■ PICTURE:

BRIGHTNESS: Sets for screen brightness

CONTRAST: Sets for screen contrast

SATURATION: Sets for saturation

HUE: Sets for Color Hue

SHARPNESS: Sets for sharpness

COL TEMPERATURE: set for color temperature

PIP MODE SET: Picture in picture screen size

PIC	TUNE	SYS	OSD
VOLUME			50
MUTE		OFF	
BALANCE		30	

■ SOUND

VOLUME: To adjust audio Out volume

MUTE: Audio out volume mute

BALANCE: To adjust Audio Left or right track Out volume



PIC	TUNE	SYS	OSD
	NOISE REDUCTION		MID
	CANALE SURF		4
	PIP MODE SET	MIDDLE	
	MONITOR TYPE		LCD

■ ADVANCED SETTING

NOISE REDUCTION: 3 degrees adjust image noise reduction

CHANNEL SURF: 4,9,16 video division of TV wall mode

MONITOR TYPE: LCD

■ TUNE

PIC	TUNE	SYS	OSD
	CURRENT CH		
	EXCHANGE CH		55
	EXCHANGE SAVE		NO
	SKIP		OFF
	FINE-SCAN	409.25 MHZ	
	SCAN	409.25 MHZ	
	SCAN MODE		CABLE

CURRENT CH: Display current TV channel

EXCHANGE CH: Change the current channels sequence list

EXCHANGE SAVE: Save the adjusted channels sequence list

SKIP: Skip/no skip current TV channel

FINE-SCAN: Adjust current TV signal quality

SCAN: Auto process of scanning TV signal

SCAN MODE: manual process of scanning TV signal



■ SYS

PIC	TUNE	SYS	OSD
VIDEO	SYS		AUTO
BLUE	SCREEN		OFF
VIDEO	SOURCE		TV
RESOLUTION	800x600	60	
SCALE		4:3	
RESET		DEFAULT	

VIDEO SYS: PAL system standard setting

BLUE SCREEN: Background color is blue when no signal input

VIDEO SOURCE: TV\AV\SV input video source selection

RESOLUTION: Output image resolution selection

SCALE: Switch to wide image resolution

RESET: Comeback factory default setting

■ OSD

PIC	TUNE	SYS	OSD
LANGUAGE		ENGLISH	
H POSITION		39	
V POSITION		93	
BACK COLOR		0	
TRANSPARENCY		0	
OSD TIMEOUT		OFF	

LANGUAGE: OSD menu language selection: English

H POSITION: Adjust OSD Horizontal position

V POSITION: Adjust OSD vertical position

BACK COLOR: Change the OSD back color

TRANSPARENCY: Adjust OSD background transparency

OSD TIMEOUT: OSD caption reserved time



Chapter 5: Technical Support

Please visit www.encore-usa.com for the latest product information and downloads.

Appendix A: User's Notice

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